



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR JUNE 2003

HIGHLIGHTS – Cairo stage began the month at 34.4 feet and ended at 23.8 feet and was falling. The stage at Cairo crested at 38.2 on the 15th. Flood stage there is 40.0 feet.

WEATHER –The weather during June was cool with scattered precipitation amounts. Temperatures averaged 2-5 degrees below normal as the polar front stayed further south than usual. Precipitation was typically scattered with the middle of the basin receiving well above normal rainfall; across Kentucky, West Virginia and Virginia. The driest areas were Indiana, portions of Ohio and much of Tennessee.

TEMPERATURE AND PRECIPITATION – JUNE 2003

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	65.8	-2.6	3.88	-0.24
Charleston, WV	67.6	-2.3	9.93	+5.84
Columbus, OH	67.3	-3.9	4.99	+0.91
Cincinnati, OH	67.2	-4.8	2.75	-1.67
Louisville, KY	69.8	-4.4	3.60	-0.16
Indianapolis, IN	68.2	-3.5	2.36	-1.77
Evansville, IN	69.5	-5.3	4.50	+0.40
Nashville, TN	71.9	-3.2	7.08	+4.08

STREAMFLOW -- Ohio River monthly average flows for June ranged from a low of 196 percent of normal at Paducah, KY to a high of 267 percent of normal at Louisville, KY. Daily flows ranged from a low of 47 percent of normal at Pittsburgh, PA to a high of 424 percent of normal at Louisville, KY.

The following table presents the flow data summary for June at the Ohio River Index Stations:

FLOW DATA – JUNE 2003

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	51,900	219	360	47
Huntington, WV	134,000	236	367	71
Cincinnati, OH	176,000	234	397	58
Louisville, KY	212,000	267	424	94
Evansville, IN	230,000	231	361	70
Paducah, KY	380,000	196	276	91

RESERVOIRS -- June started with 1.8% utilization of the total system flood control storage and ended the month at 2.2%. System-wide augmentation storage started at 98.5% at the beginning of the month and was at 98.5% by the end of the month. Significant flood storage utilization in excess of 50% occurred at no project during the month but was in excess of 25% at seven projects.

The following table depicts storage change by tributary reservoir subsystem for June:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-43,200
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+24,300
Twelvepole-Big Sandy-Little Sandy-Scioto	-1,900
Little Miami-Licking-Mill Creek-Great Miami	+13,300
Kentucky-Salt-Green-Wabash	-6,700
Cumberland	+85,400
TOTAL	+71,200

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